

### **Origin of Specimen: Maternity, Emergency, Intensive Care**

#### **Factors and Their Possible Consequences:**

Samples from wards, such as maternity, emergency and intensive care, are commonly collected from a catheter, which can be a possible source of hemolysis.

The medical condition of patients from emergency and intensive care can be a cause of *in vivo* hemolysis.

#### Corrective Actions

- Ensure all connections fit together securely.
- Avoid turbulence in blood flow during collection.
- Increase catheter size.
- Collect discard tube.

#### References:

1. CLSI. *Collection of Diagnostic Venous Blood Specimens*. 7<sup>th</sup> ed. CLSI Standard GP41. Wayne, PA: Clinical and Laboratory Standards Institute; 2017.
2. Dugan L, Leech L, Speroni KG, Corriher J. Factors affecting hemolysis rates in blood samples drawn from newly placed IV sites in the Emergency Department. *J Emerg Nurs* 2005;31:338-345.